JST16E-800BW 16A TRIAC

Rev.A.1.2

DESCRIPTION:

The JST16E-800BW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. JST16E-800BW snubberless triac is especially recommended for use on inductive loads. Package TO-263 is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-125	
Repetitive peak off-state voltage (T_j=25)	V_{DRM}	800	V
Repetitive peak reverse voltage (T_j=25)	V_{RRM}	800	V
RMS on-state current (T_C 098)	$I_{T(RMS)}$	16	A
Non repetitive surge peak on-state current (f			

JST16E-800BW Jie Jieie

FIG.1: Maximum power dissipation versus RMS on-state current

FIG.7: Relative variations of gate trigger current,
holding current and latching current ver3 (v)aEMC (r)4.4 (ent)6.3 (an)118m [5hii7(.c)(of)-5.1n(gger2.2 ( )].4 m4 (e

ORDERING INFORMATION

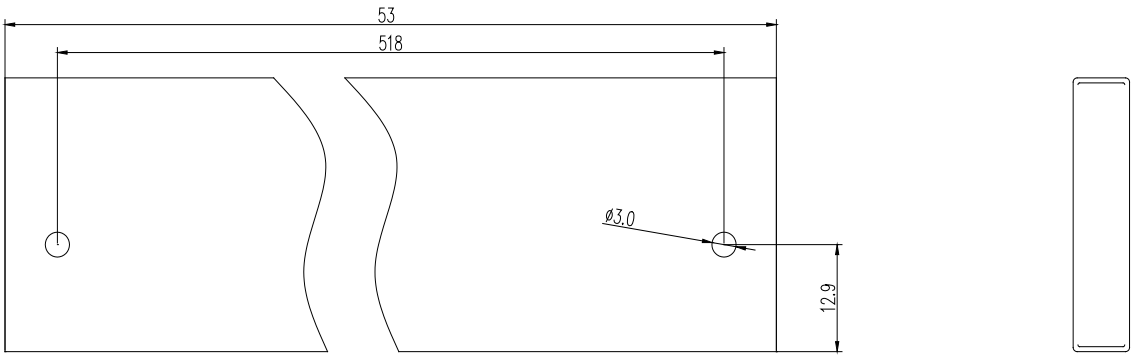
Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J			
JST16E-800BW	800	50	TO-263	50	Tube
JST16E-800BW-TR				800	Tape & Reel

Document Revision History

Date	Revision	Changes
Apr.12, 2023	A.1.0	Last updated
Oct.20, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA
Sept.15, 2026	A.1.2	Revise I_{TSM}, dV/dt

PACKAGE MECHANICAL DATA

DELIVERY MODE



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